



## Sodium Hydroxide Pellets, Reagent ACS PRODUCT DATA SHEET

### CHARACTERISTICS

Sodium Hydroxide Pellets, Reagent ACS are odorless, white, solid hemispheres of uniform diameter and thickness. They also are deliquescent.

### TYPICAL PROPERTIES

Formula:	Sodium hydroxide	
C.A.S.	1310-73-2 (Sodium hydroxide)	
	Absolute density, g/cm <sup>3</sup>	2.13
	Melting point, °C	318.4
	Boiling point, °C	1390
	Solubility in water, g/100g H <sub>2</sub> O .....	42 at 0°C
	.....	114 at 25°C
	.....	347 at 100°C
	Assay, % NaOH	97.0 min.

### PRODUCT USES

Neutralizer and alkalinity control in analytical chemistry. Absorption of NO<sub>x</sub>, SO<sub>3</sub> and CO<sub>2</sub> in gas streams. Manufacture of high-purity sodium compounds. Etchant in semiconductor wet processing. Photo-engraving and lithography. Hydrolyzing fats in soaps. Bleaching textiles and mercerizing cotton.

### SHIPPING CONTAINER

110 lb. fiber drum with poly bag liner

### SHIPPING REGULATIONS

DOT Classification: Sodium Hydroxide, Solid  
Hazard Class: 8 DOT ID Number: UN 1823 Packing Group: II  
RQ: 1000 lbs. (CASRN formula basis)

### PRODUCT SAFETY INFORMATION

Sodium Hydroxide Pellets, Reagent ACS causes severe burns to the skin, eyes and mucous membranes. Avoid breathing dust and use with adequate ventilation. May be fatal if swallowed. Anyone procuring, using or disposing of these products or their containers must be familiar with the appropriate safety and handling precautions. Such information may be found in the **Material Safety Data Sheets (MSDS)** for these products or you may contact General Chemical Technical Service. In the event of an emergency with these products, call the 24 hour **Emergency Number: USA (CHEMTREC) 800-424-9300** or **Canada (CANUTEC) 613-996-6666**. For additional information contact:

Water Chemicals Group  
(973) 515-0900  
(800) 631-8050

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